

# ABSTRACT OF THE DISCLOSURE

A radiation image readout apparatus for reading out, by use of a line sensor formed of a plurality of photoelectric converting elements arranged in a straight line, a radiation image stored on a stimuable phosphor sheet etc., wherein the occurrence of a Moiré effect in the final image is controlled by preventing feedback distortion, is provided. A focusing optical system formed of a first lens array for causing a stimulated emission to become a parallel luminous flux and a second lens array for focusing the parallel luminous flux onto a dichroic mirror and line sensor for transmitting the parallel flux is provided. The refraction ratio of the second lens array and the positional relation of the second Selfoc lens array and the dichroic mirror are adjusted so that the MTF is 50% or less of the Nyquist frequency determined by the width of the direction X of the photoelectric converting elements.